Figure 15

Table 2

Marker	Forward	Reverse	Alleles	Size
21944ata	ctggaactacaggaatgtacc (SEQ ID NO:29)	tttctgctcttgcttcacgg (SEQ ID NO:46)	5	411
4k17ca	tgtgttcacctactacctac (SEQ ID NO:30)	aaagaccaaagtctggcag (SEQ ID NO:47)	6	225
31646ata	aaatgcatcctgctgccttc (SEQ ID NO:31)	gatccaatgtgacatgccac (SEQ ID NO:48)	4	210
16601gt	caccagtgcagagaatcctt (SEQ ID NO:32)	tctctgggctgtgtgagagc (SEQ ID NO:49)	6	189
33083ca	atgacaagcactccagcctga (SEQ ID NO:33)	agcttgcagtgagccgagat (SEQ ID NO:50)	3	206
16492ec1	gccgtttgacgtgcattgtt (SEQ ID NO:34)	agcaatatccgctcttcctg (SEQ ID NO:51)	2	187
PTPRSX7	gactcctagttgtctccct (SEQ ID NO:35)	cacacatagggacaaagag (SEQ ID NO:52)	2	266
A008X33	agacagagtaagacaaaaacacc (SEQ ID NO:36)	gatttgagaagatgtcagttt (SEQ ID NO:53)	2	160
A002R35	tggcttattttctcatc (SEQ ID NO:37)	cacttgtgctgagactct (SEQ ID NO:54)	2	232
HIBx4	gcacgaaaacagactaatacgg (SEQ ID NO:38)	gttgcatttcagacctctcc (SEQ ID NO:55)	2	185
XRRC1ca1	ccgatggatctacagttgca (SEQ ID NO:39)	tcttggatgagaaccaactc (SEQ ID NO:56)	6	159
ERRC1ca2	ttacaggagtgagccaccat (SEQ ID NO:40)	aggactcacaagtggttg (SEQ ID NO:57)	7	215
ERRC2ca6	ttgtactcactgtgtgccag (SEQ ID NO:41)	tagtaagccaagatcactccc (SEQ ID NO:58)	4	244
79129ca	ttagaagcccgtgttggaac (SEQ ID NO:42)	ctgtgatttgtggagtgtgg (SEQ ID NO:59)	7	207
282485ca3	tagtccagggattggcaa (SEQ ID NO:43)	gaagacgtaacatgtccag (SEQ ID NO:60)	2	319
282485ca4	agccctaatactcgcttctg (SEQ ID NO:44)	gcaggttgcagaataccttg (SEQ ID NO:61)	3	186
82621gt1	tctgctgtagtatcctcttc (SEQ ID NO:45)	gactatgaagggagaagta (SEQ ID NO:62)	6	151

Comparative Map of Human Chromosome 19p13.3 and mouse Chromosome 10: evidence for an inversion
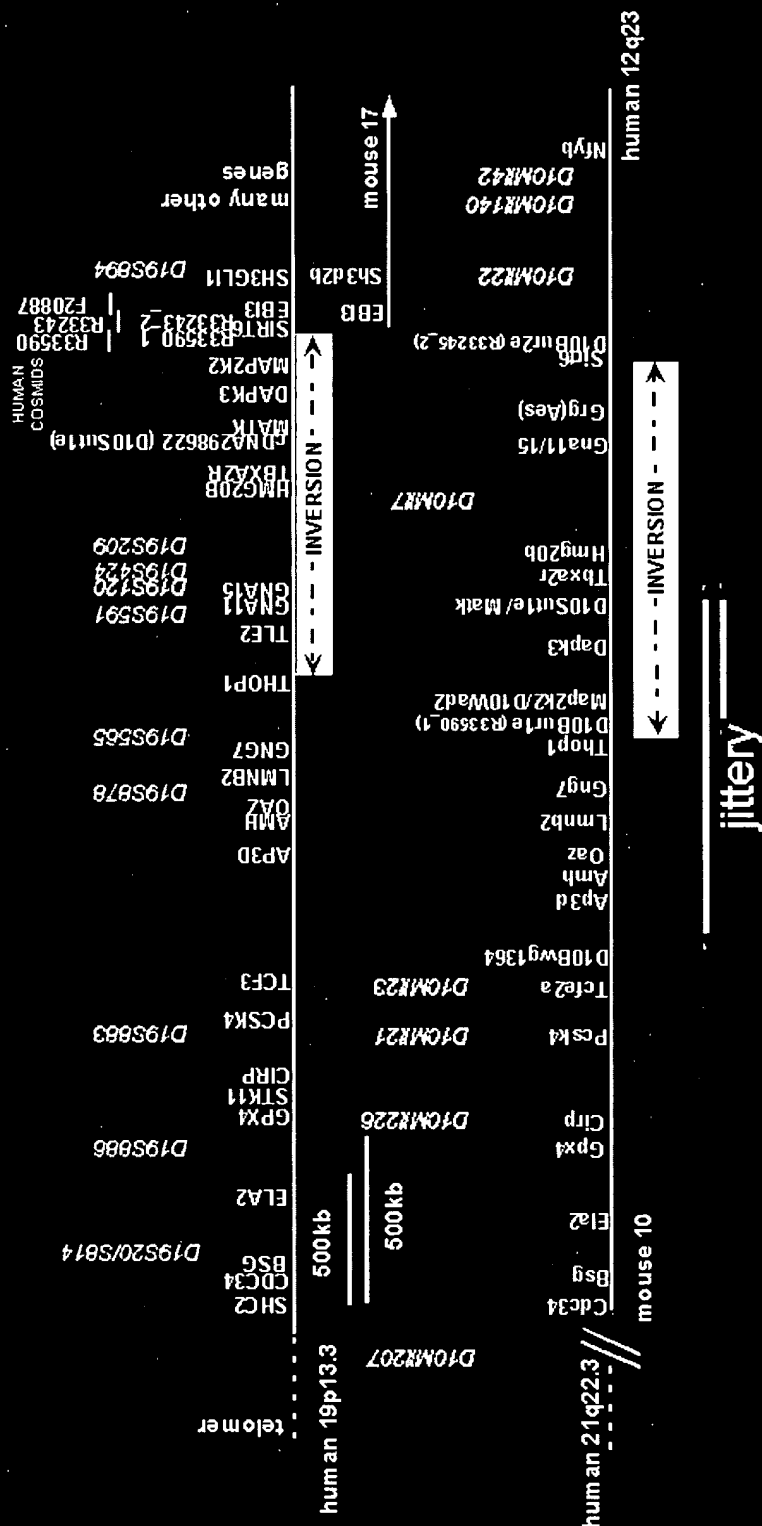
Cayman ataxia

many other genes

mouse 17

D19S894 SH3GLH

F20887
R33243 SIRT6/R33243-2
R33590-1
R33590 MAP2K2
DAPK3
MATK
D10A298622 (D10Surfe) MAG20B
TBXA2R

D19S209
D19S424 D19S120 GNA11
D19S591 TLE2
THOP1

D19S565 GNG7
LMNB2
D19S878 OAZ
AMH
AP3D

TCF3
PCSK4 D19S663
CIRP
STK11
GPX4 D19S866
ELA2
D19S20/S814
BSG
CDC34
SHC2

500kb

500kb

human 19p13.3

D10Mit207

telomer

INVERSION

HUMAN COSMIDS

Sh3d2b
EB13

D10Mit7

Gnai11/15
Grg(Aes)
Tbxa2r Hmg20b
D10Surfe/Matk
Dapk3
Map2k2/D10Wad2
D10Burte (R33590-1)
Thop1
Gng7
Lmmb2
Oaz
Amh
Ap3d
D10Bwg1364

Tcfe2a D10Mit23
Pcsk4 D10Mit21
Cirp
Gpx4 D10Mit226
Ela2
Bsg
Cdc34 mouse 10

human 21q22.3

D10Mit22
Slfn D10Burt2e (R33245-2)

INVERSION

jittery

Nfyb
D10Mit42
D10Mit40

human 12q23

INVERSION

Region of overlap between jittery and Cayman ataxia

Figure 5